

TECHNICAL GUIDE & PARTS CATALOGUE

Cal.VJ5 Series (VJ52B/53B/55B)

ANALOGUE QUARTZ



SPECIFICATION

	Cal. No.	VJ52B	VJ53B	VJ55B		
Item		¥032D	¥000D	V000D		
Movement						
	Outside diameter	φ28.60 mm 25.70 mm: between 12 o'clock and 6 o'clock sides 25.70 mm: between 3 o'clock and 9 o'clock sides				
Movement size	Casing diameter	φ27.80 mm 25.70 mm: between 12 o'clock and 6 o'clock sides 24.10 mm: between 3 o'clock and 9 o'clock sides				
	Total height	2.71 mm (including the battery)	2.94 mm (including the battery)	2.94 mm (including the battery)		
Time indicat	ion	3 Hands Calendar	3 Hands Day & Date Calendar	3 Hands Day & Wide Date Calendar		
Driving syste	em	Step motor (Load compensated driving pulse system type)				
Additional m	nechanism	Electronic circuit reset switch Second setting device Date setting	Electronic circuit reset switch Second setting device Date setting Day setting			
Antimagneti	С	≥ 1600 A/m				
,	Monthly rate) of crystal oscillator	Less than ± 20 seconds at normal temperature range 32,768 Hz				
Operational temperature range		- 5 °C ~ + 50 °C				
Regulation system		Nil				
Measuring gate by quartz tester		Use 10 second gate * Set the winding stem with crown at the normal position				
Battery		SR621SW (Silver oxide battery) Battery life is approximately 3 years				
Jewels		0 Jewel				



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Disassembling procedures Figs. \bigcirc \bigcirc 3

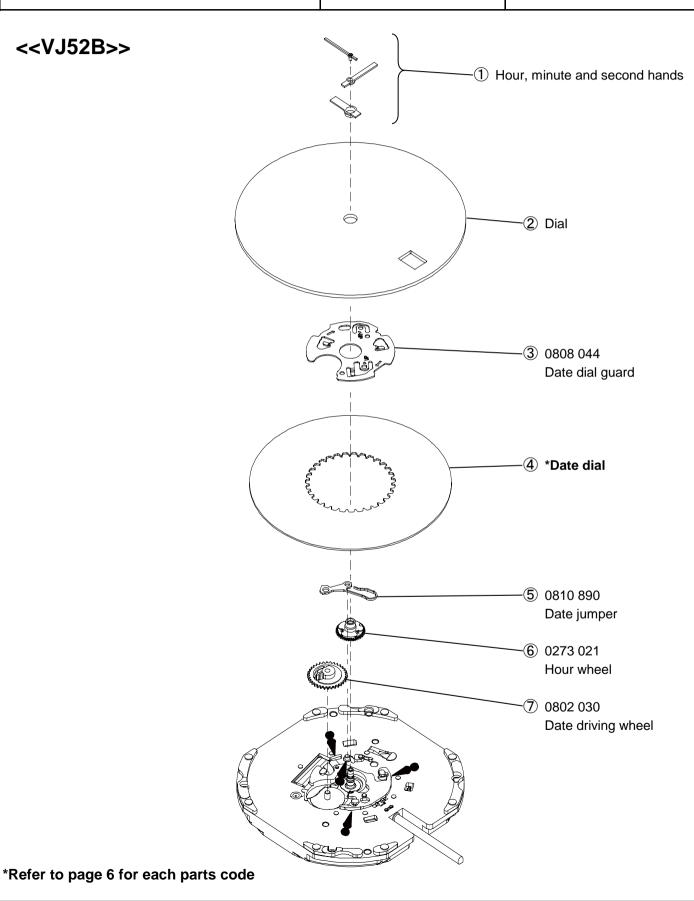
Reassembling procedures Figs. $33 \rightarrow 1$

Lubricating: Types of oil Moebius 9010

► Moebius 9030

Oil quantity NORMAL QUANTITY

<< VJ52B>>





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Disassembling procedures Figs. \bigcirc \bigcirc 3

Lubricating: Types of oil

Moebius 9010

Oil quantity ○ NORMAL QUANTITY

Reassembling procedures Figs. $33 \rightarrow 1$ ► Moebius 9030 <<VJ53B>> 1 Hour, minute and second hands 2 Dial

> 3 0963 230 Snap for day star with dial disk

> > 4 *Day star with dial disk

⑤ 0989 011 Intermediate wheel for day corrector

6 0808 175 Date dial guard

⑦ *Date dial

9 0962 033 Second intermediate wheel for calendar corrector

8 0737 012 Day-date corrector wheel

(11) 0273 017 0810 890 Hour wheel -Date jumper

(12) 0802 031 Date driving wheel

*Refer to page 6 for each parts code



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Disassembling procedures Figs. \bigcirc \bigcirc 3

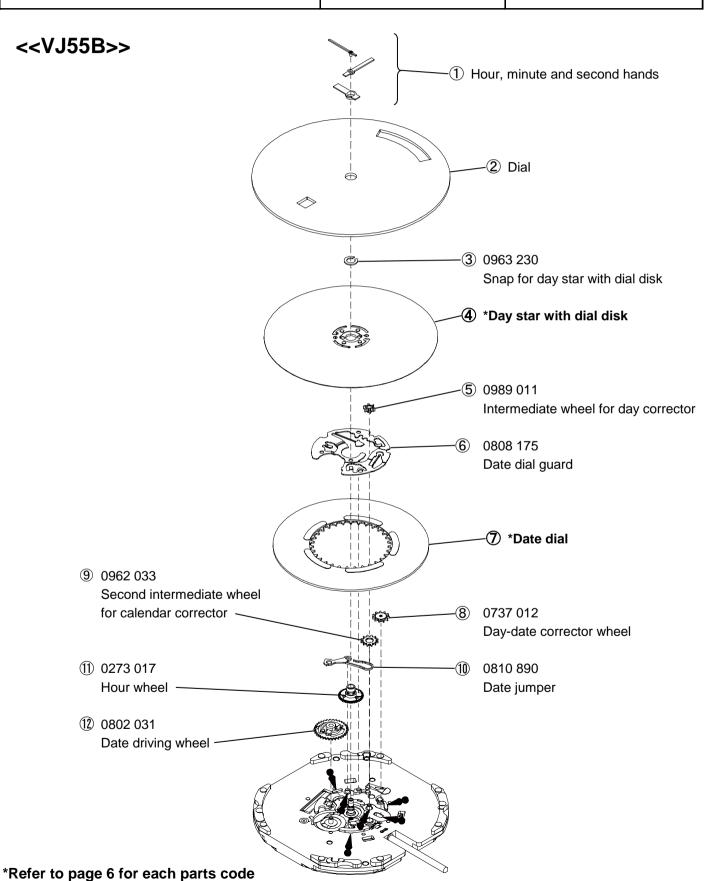
Lubricating: Types of oil

Moebius 9010

Oil quantity ○ NORMAL QUANTITY

Reassembling procedures Figs. $33 \rightarrow 1$

► Moebius 9030



*Refer to page 6 for each parts code

PARTS CATALOGUE

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Lubricating: Types of oil Disassembling procedures Figs. $(1) \rightarrow (3)$ Oil quantity NORMAL QUANTITY Moebius 9010 Reassembling procedures Figs. $3 \rightarrow 1$ - Moebius 9030 13 Battery 20 4004 303 Circuit block with coil block **14**) 0351 332 Winding stem **(15)** 0016 121 Screw for battery * Fourth wheel and pinion connection (+) 16 * Battery connection (+) 22 0231 066 23 0701 170 -Third wheel and pinion Fifth wheel and ·**24**) 0033 219 pinion Reset pin **25** 4146 126 Step rotor *Refer to page 6 for 17) 4216 088 each parts code Insulator **26** 4239 062 0391 041 Rotor stator Train wheel setting lever 18 4270 385 Battery connection (-) 0033 220 Pin for setting wheel 30 0281 041 0261 291 Setting wheel Minute wheel and pinion 33 *Center wheel and pinion 0282 089 Clutch wheel 0125 297 Train wheel bridge *1 Oiling position *2 Oiling position



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Remarks:

O Date dial

<VJ52B>

Part code	Positing of crown	Positing of date frame	Color of figure	Color of background
0878 435	3H	3H	Black	White
0878 455	ЗН	ЗН	Black	White
0878 285	3H	ЗН	Black	White

<VJ53B>

Part code	Positing of crown	Positing of date frame	Color of figure	Color of background
0878 475	3H	3H	Black	White

<VJ55B>

Part code	Positing of	Positing of Color of figure Color of		Color of
Fait Code	crown	date frame	Color of figure	background
0878 415	3 415 3H 6H		Black	White

O Day star with dial disk

<VJ53B>

Part code	Positing of crown	Positing of date frame	Color of figure	Color of background	Language
0150 280	3H	3H	MON~SAT:Black SUN :Red	White	English & Spanish

<VJ55B>

Part code	Positing of crown	Positing of date frame	Color of figure Color of background		Language
0150 290	ЗН	12H	Black	White	English Monolingual

O Different parts for each CAL.

	Parts name		VJ53B	VJ55B
<u> </u>	Date corrector wheel	0806 142	_	_
	First intermediate wheel for calendar corrector	_	0962 009	0962 009
33	Center wheel and pinion	0221 065	0221 066	0221 066

O The part which is not common in Cal.VJ52B/VJ53B/VJ55B

Parts name	VJ52B	VJ53B	VJ55B
(b) Battery connection(+)	4268 060	4268 061	4268 062
② Fourth wheel and pinion	0144 105	0144 125	0144 125

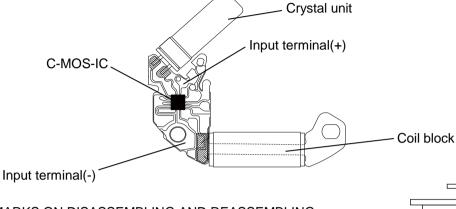
*All parts code are subject to change without notice.

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The explanation here is only for the particular points of Cal.VJ52B /VJ53B/ VJ55B

I .STRUCTURE OF THE CIRCUIT BLOCK

Notes: Since the circuit block and coil block are made by one piece, in disassembling and reassembling take care not to cut the coil line.



II. REMARKS ON DISASSEMBLING AND REASSEMBLING

- 1 Hands
 - How to install

Place the movement directly on a flat metal plate or the like to install the hands.

② Intermediate wheel for day corrector Set the intermediate wheel for day corrector in the direction as shown in the illustration at right. *Cal.VJ52B not Intermediate wheel for day corrector.



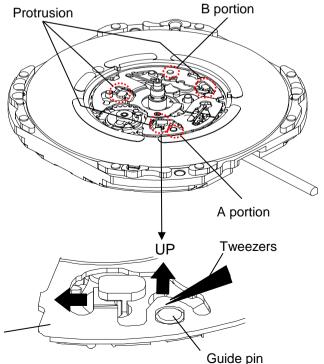


Main plate side

3 Date dial guard

The date dial guard has three protrusions to be caught under the main plate, and it is also fixed by two guide pins.

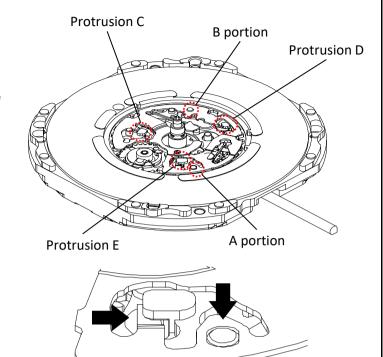
- · How to remove
 - Lightly lift the A portion of the date dial guard with tweezers to release it from the guide pin, and then move it in the clockwise direction until it gets off the guide pin.
 - 2) Release the B portion of the date dial guard in the same way as described above, and then move it in the clockwise direction until gets off the guide pin.
 - Check that all the three protrusions of the date dial guard have come off from the main plate, and then remove the date dial guard.



Date dial guard

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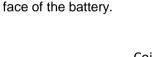
- · How to install
- 1) Put the date dial guard on the main plate so that the A and B portion are over the guide pins, as shown in the illustration at right.
- Move the protrusion D of the date dial guard in the counterclockwise direction so that it is caught under the main plate.
- 3) Slightly move the protrusions C and E in the counterclockwise direction alternately to set them under the main plate. Then, set the A and B portions of the date dial guard to the guide pins.
- 4) Check that the date dial guard is fixed securely to the main plate.

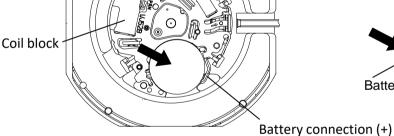


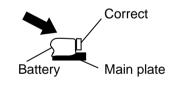
4 Battery

· How to install battery

Insert the battery aslant in the direction shown by the arrow. Check the battery connection (+) securely touches the side







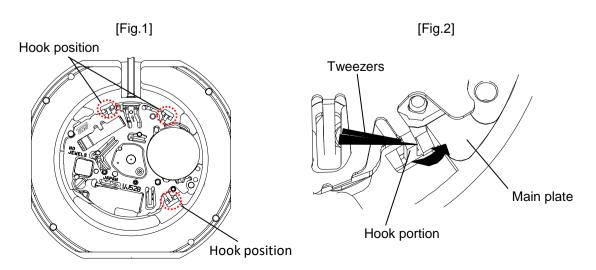
⑤ Battery connection (+)

How to install

Have the hook portions (3 places) catch the main plate (Fig.1 & Fig.2).

In disassembling and reassembling, take care not to deform the hook portion.

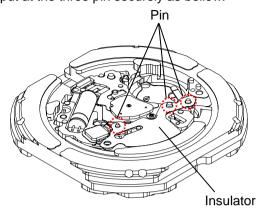
After installing the battery connection (+), check that the three hook portions securely catch the main plate.



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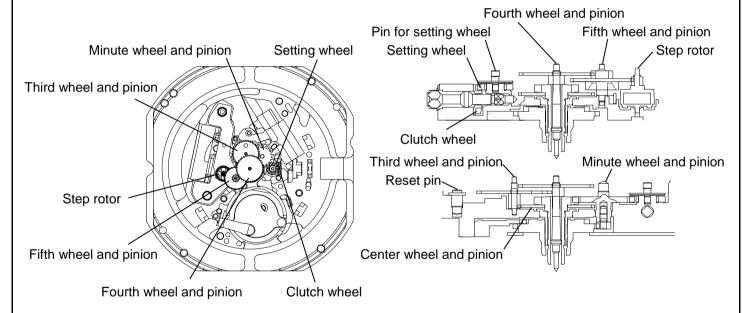
- 6 Insulator
 - Setting position

Notes: To Insulate between the battery connection (+) and the battery connection (-), Insulator should be put at the three pin securely as bellow.



- Train wheel bridge
 - Setting position

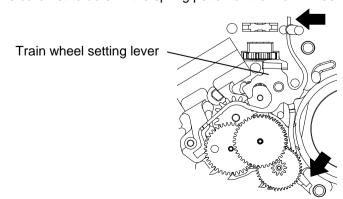
Notes: Since the fifth wheel and pinion and step rotor are made of plastics, take care not to damage them in disassembling and reassembling.



- (8) Train wheel setting lever
 - Setting position

Notes:

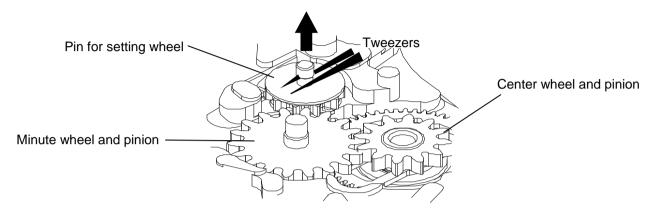
- •Catch the part of spring of the Train wheel setting lever to the pin like as below.
- •Take care not to deform the spring potion of the Train wheel setting lever.





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- 9 Pin for setting wheel
 - Notes:
 - •In disassembling and reassembling, take care not to damage the portion that is assembled of the pin. (Since the portion that is assembled of the pin is made of plastics and easily damaged.)
 - •In disassembling, pick the pin up main plate to vertical direction *with care* .



•In reassembling, push the pin in main plate to vertical direction with care.

